Performance Data Sheet

RGA5492EXD

General Information

Model	RGA5492EXD	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	3110	2860					
	Watts	363	435					
	Amps	1.99	2.11					
	Lb/h	40.2	38.5					
-10	Btu/h	3610	3370	3110				
	Watts	385	456	511				
	Amps	2.02	2.17	2.30				
	Lb/h	46.4	45.0	43.3				
-5	Btu/h	4130	3900	3640	3350			
	Watts	407	477	532	575			
	Amps	2.06	2.23	2.37	2.51			
	Lb/h	52.7	51.6	50.2	48.4			
0	Btu/h	4670	4440	4180	3890	3570		
	Watts	428	498	554	598	635		
	Amps	2.08	2.27	2.44	2.60	2.77		
	Lb/h	59.2	58.4	57.2	55.7	53.8		
5	Btu/h	5240	5010	4740	4440	4120		
	Watts	448	517	574	621	661		
	Amps	2.10	2.31	2.50	2.68	2.87		
	Lb/h	65.9	65.4	64.4	63.0	61.3		
10	Btu/h	5850	5610	5330	5020	4680	4320	3940
	Watts	467	535	593	642	685	726	765
	Amps	2.11	2.35	2.56	2.76	2.97	3.20	3.47
	Lb/h	73.1	72.7	71.9	70.6	69.0	66.9	64.5
15	Btu/h	6500	6240	5950	5620	5260	4880	4480
	Watts	482	550	609	661	708	753	800
	Amps	2.11	2.37	2.60	2.82	3.05	3.30	3.59
	Lb/h	80.7	80.4	79.7	78.5	76.9	74.9	72.5
20	Btu/h	7200	6930	6610	6260	5880	5470	5040
	Watts	495	563	623	677	728	779	832
	Amps	2.11	2.38	2.63	2.88	3.13	3.40	3.71
	Lb/h	88.9	88.7	88.0	86.9	85.3	83.3	80.8

25	Btu/h	7970	7670	7320	6940	6530	6090	5630
	Watts	503	572	633	690	746	802	862
	Amps	2.09	2.39	2.66	2.92	3.19	3.48	3.82
	Lb/h	97.6	97.5	96.8	95.7	94.1	92.0	89.4
30	Btu/h	8800	8470	8090	7670	7220	6750	6240
	Watts	507	576	639	699	759	821	888
	Amps	2.07	2.38	2.67	2.95	3.24	3.56	3.91
	Lb/h	107	107	106	105	103	101	98.5
35	Btu/h	9700	9330	8920	8460	7970	7450	6900
	Watts	506	575	640	704	768	836	910
	Amps	2.04	2.37	2.67	2.98	3.29	3.62	3.99
	Lb/h	117	117	116	115	113	111	108
40	Btu/h	10700	10300	9810	9310	8780	8200	7610
	Watts	499	569	636	703	772	846	927
	Amps	1.99	2.34	2.67	2.99	3.31	3.67	4.06
	Lb/h	129	128	127	126	124	121	118
45	Btu/h	11800	11300	10800	10200	9650	9020	8360
	Watts	486	556	626	696	770	850	939
	Amps	1.94	2.30	2.65	2.98	3.33	3.70	4.11
	Lb/h	141	140	139	138	135	133	129
50	Btu/h	12900	12400	11800	11200	10600	9900	9190
	Watts	465	537	609	683	762	848	945
	Amps	1.87	2.26	2.62	2.97	3.33	3.72	4.15
	Lb/h	154	153	152	150	148	144	141
55	Btu/h	14200	13600	13000	12300	11600	10900	10100
	Watts	437	510	584	662	746	839	944
	Amps	1.80	2.20	2.57	2.94	3.32	3.73	4.17
	Lb/h	168	167	166	164	161	157	153

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.648229E+03	-9.238176E+02	-2.161824E+00	4.956905E+01
C2	9.869978E+01	1.491756E+01	-2.818128E-02	7.484142E-01
C3	2.712422E+01	2.884521E+01	1.013647E-01	3.180206E-01
C4	1.488190E+00	-5.475030E-02	-5.938385E-05	1.286019E-02
C5	2.938360E-01	-2.414038E-01	3.850905E-04	9.333453E-03
C6	-4.053402E-01	-1.836291E-01	-8.071424E-04	-2.713298E-03
C7	9.578930E-03	-8.748465E-04	-5.759497E-07	1.119669E-04
C8	-1.103545E-02	3.721915E-04	-1.025828E-06	-8.900447E-05
C9	-1.788022E-03	1.338618E-03	2.692594E-07	-2.647072E-05
C10	8.711197E-04	4.291238E-04	2.539148E-06	2.958671E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature